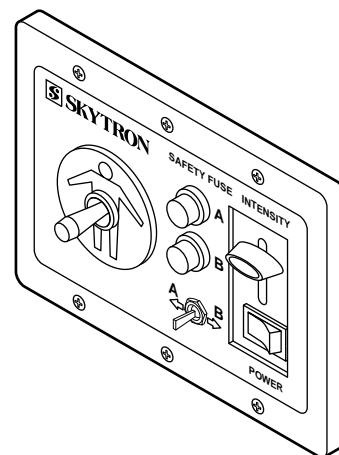
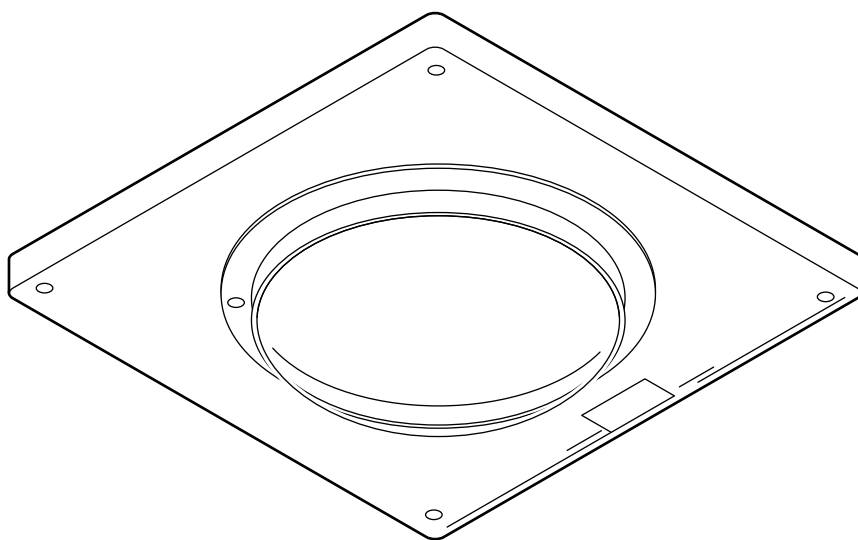


EX100CL

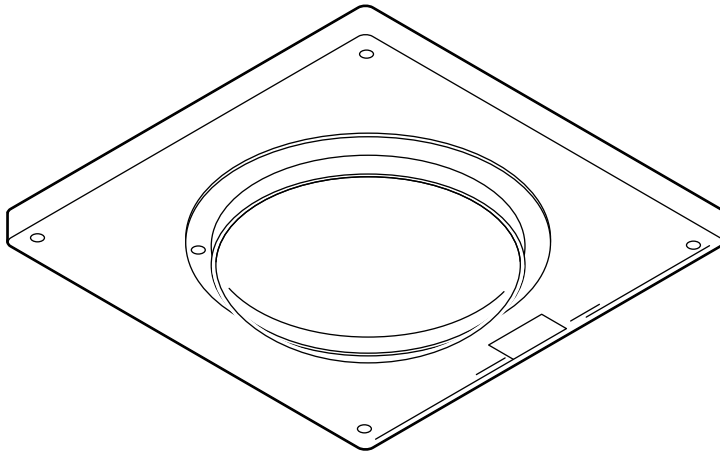
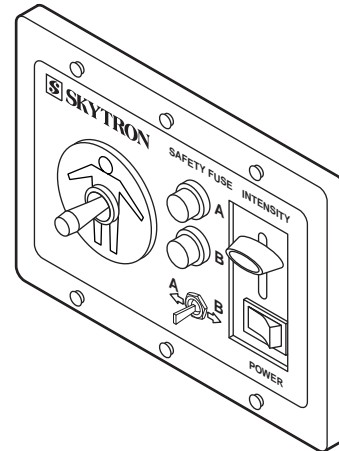
REMOTE CONTROLLED

SURGICAL LIGHT



SKYTRON

OWNERS MANUAL

**EX-100CL****WALL CONTROL**

SKYTRON STANDARD LIMITED WARRANTY

SKYTRON, a Division of the KMW Group, Inc. (SKYTRON) warrants all new products sold by it directly or through a dealer or other authorized representative, with exception to replacement parts, spares, bulbs (surgical lights), pads, and accessory items (surgical tables) to be free from defects in material or workmanship, under normal use and service, for a period of two (2) years. This warranty shall include the cost of repair or replacement of defective parts including the cost of service labor and travel time to the site of equipment use. Delays caused by the user in accessing the equipment for repair will be chargeable at the normal hourly rate for service by SKYTRON's authorized service representative. The warranty period shall begin with the initial operation or one (1) year after receipt of the product, whichever shall occur first.

Replacement parts, spares, bulbs (surgical lights), pads and accessory items (surgical tables) are warranted to be free from defects in material or workmanship, under normal use and service, for a period of ninety (90) days from receipt by the ultimate user, with exception to replacement parts supplied by SKYTRON, for products under warranty, which shall be covered for any remaining period of the original product warranty, or for 90 days, whichever is of greater benefit to the ultimate user.

SKYTRON's responsibility and liability shall be limited to the repair or replacement of any part which we, SKYTRON, determine to be defective within the applicable warranty period. Minor adjustments required as a result of normal wear during the use of the product within the warranty period are not covered under warranty. The labor portion of this warranty is covered by SKYTRON's Authorized Service Agent. Repairs made by others are not authorized nor covered by SKYTRON with respect to labor costs.

SKYTRON shall not be liable for any other expense, loss or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or the inability to use SKYTRON products.

NO EXPRESS WARRANTY IS GIVEN BY SKYTRON WITH RESPECT TO ITS PRODUCTS EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS EXPRESSLY LIMITED TO THE TWO-YEAR AND 90-DAY TERMS SET FORTH ABOVE. THE FOREGOING STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES.

No dealer, agent, employee or other representative of SKYTRON is authorized to extend or enlarge this warranty.

EQUIPMENT LABELS AND SPECIFICATIONS



ATTENTION, CONSULT MANUAL FOR FURTHER INSTRUCTIONS.
INDICATES SPECIAL USER ATTENTION.



INDICATES DANGEROUS VOLTAGE, 120 V, 60 Hz



AC VOLTAGE, CONTINUOUS OPERATION



F1 FUSE TYPE 1.25 AMP, SLOW BLOW TYPE

V

VOLTAGE RATING OF THE UNIT

A

AMPERAGE RATING OF THE UNIT

HZ

FREQUENCY OF THE UNIT



FOR DRY LOCATIONS
UNIT TO BE USED ONLY IN SPECIFIED ENVIRONMENTAL CONDITIONS
TEMPERATURE: 15° - 30° C (60° -85° F)
HUMIDITY: 30% - 60% RELATIVE HUMIDITY, NON CONDENSING

ELECTRICAL SPECIFICATIONS

POWER REQUIREMENTS -- 120VAC, 60HZ 100W, SINGLE PHASE
CURRENT LEAKAGE -- LESS THAN 100 MICRO AMPS
INPUT VOLTAGE TO FIXTURE NOT TO EXCEED 3% NOMINAL VOLTAGE

ENTELA CERTIFIED
TO UL2601-1
CAN/CSA601.1, IEC 60601-2-46



SPECIAL USER ATTENTION

To help assure the highest degree of operating safety for user and patient, SKYTRON has provided precautionary instructions throughout this manual.

As with the operation of any surgical light, all hospital personnel should be aware that a certain amount of care must be exercised to maintain patient safety and to keep your SKYTRON light fixture performing at peak efficiency.

The following is a summary of the important precautionary instructions:

- Make sure the electrical power to the fixture is "OFF" and the bulb is cool. Using caution not to touch the reflector surface, hold the bulb by the base and pull out.
- Halogen bulbs are sensitive to body oils. DO NOT handle glass surface of bulb as body oil from fingers can create a "hot spot" and may cause the bulb to burn out prematurely.

- Equipment not suitable for use in the presence of flammable anaesthetic mixture with air or with nitrous oxide.

- Warning - risk of fire, replace with 24V 100W Tungsten Halogen Lamp.




- Warning - for continued protection against risk of fire, replace only with same type and rating of fuse.

- Caution - before operation remove top cover, discard packing material and verify that all circuit boards are in place.

- Notice - Thermally protected fixture. Blinking light may indicate insulation too close to fixture or fixture installed where spacings are less than those specified.

- It is recommended to keep the equipment away from disturbance sources including electromagnetic fields in order to avoid malfunctioning of the equipment.

- A dedicated circuit & circuit breaker is required for fixture.

ELECTRIC RATING			
 REFER TO ACCOMPANYING DOCUMENTS 			
CAT. NO. <input type="text"/>			
INPUT	120V ~	100W	60Hz
BULB TYPE		24V	100W
FUSE	<input type="text"/>	<input type="text"/>	<input type="text"/>
SERIAL NO.	<input type="text"/>		
		GRAND RAPIDS, MI 1-800-SKYTRON • (616) 957-0500	

SERIAL NUMBER TAG

1. Turn the power to the light(s) "ON" by pushing the main power switch located at the bottom right of the wall control. See figure 1.

NOTE

If the light fails to turn on, adjust the intensity control.

2. Set the desired light output by sliding the intensity control up or down.

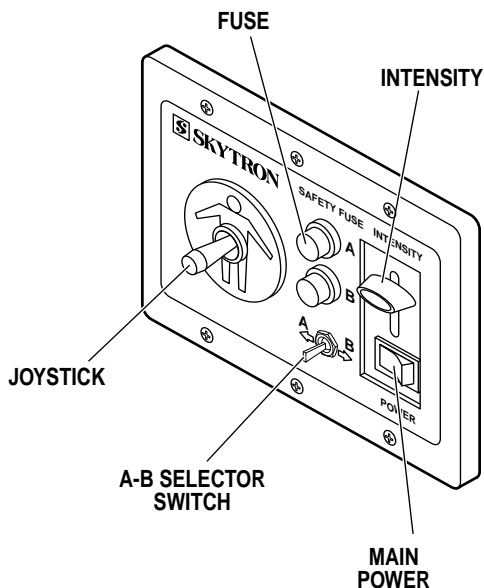


Figure 1.

NOTE

Sliding the intensity control down before turning the power "OFF" or "ON" will extend bulb life.



WARNING



For continued protection against risk of fire, replace only with same type and rating of fuse (1.25A).

3. Position the light beam as desired by using the joystick. See figure 2.

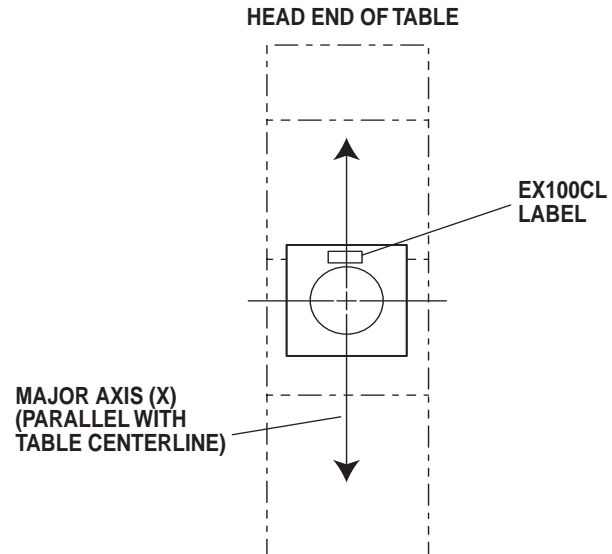


Figure 2.

NOTE

A-B switch is operational only for dual light installations.

4. The wall control joystick can control positioning for two separate light fixtures. For dual fixture installations, the lightheads are labeled "A" and "B". Position the A-B selector switch (on the wall control) for the lighthead to be positioned and use the joystick to position the light beam. See figure 1. Change switch position and repeat procedure for remaining lighthead.

To replace the bulb, use the following procedure.

1. Ensure electrical power to the light is "OFF" and the bulb has cooled before changing.



WARNING



Risk of fire, replace with 24V 100W bulb only. Skytron P.N. A1-430-03.

2. Loosen the screw located on the diffuser lens cover ring and remove the lens cover. See figure 3.



WARNING



DO NOT attempt to remove the bulb by turning the glass surface or end cap. This may cause the bulb to break off in your hand.

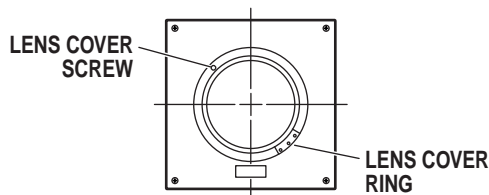


Figure 3.

3. Using caution not to touch the reflector surface, hold the bulb by the base, turn the bulb counterclockwise and remove it. See figure 4.

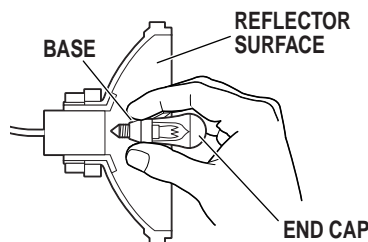


Figure 4.

NOTE

Halogen bulbs are sensitive to body oils. DO NOT handle the glass surface of bulb as body oil from your fingers can create a "hot spot" and may cause the bulb to burn out prematurely.

4. Holding the (100W) bulb by the base, screw it directly into the socket. DO NOT touch the glass portion of the bulb or reflector surface with your fingers. This can best be done by using the plastic wrapper that the bulb is packaged in or a clean cloth wrapped around the base of the bulb when installing. Make sure the end cap is centered over the bulb to insure proper focus alignment.

NOTE

To extend the life of the bulb reflector surface, it should NOT be included in normal cleaning. It should be cleaned only if absolutely necessary. Clean gently with a clean, damp, soft cloth and a mild soap solution. NO abrasives.

5. Replace the diffuser/filter assembly and secure with the diffuser mounting screw. DO NOT over tighten screw.

CLEANING

Lighthouse exterior - Should be wiped down periodically or between cases with a mild cleaning agent which will not adversely affect the painted or plastic surfaces.

Lighthouse interior - Should be cleaned once a year or as applicable.

Filter - Should be removed periodically to remove dust and lint. Dust off with a dry cloth or wash and air dry as desired.

The diffuser should be cleaned using a "plexiglass" cleaner such as "210 Plus Cleaner and Scratch Remover" available from Summer Labs (1-800-542-8656, Fax 617-482-9001) or equivalent. DO NOT use alcohol based cleaners on the diffuser.

During scheduled cleaning of the lighthouse interior, all moving parts should be lubricated.

TESTING

If the light fixture does not function properly, test the lighthouse wiring at the wire connections in the lighthouse junction box for proper voltages.

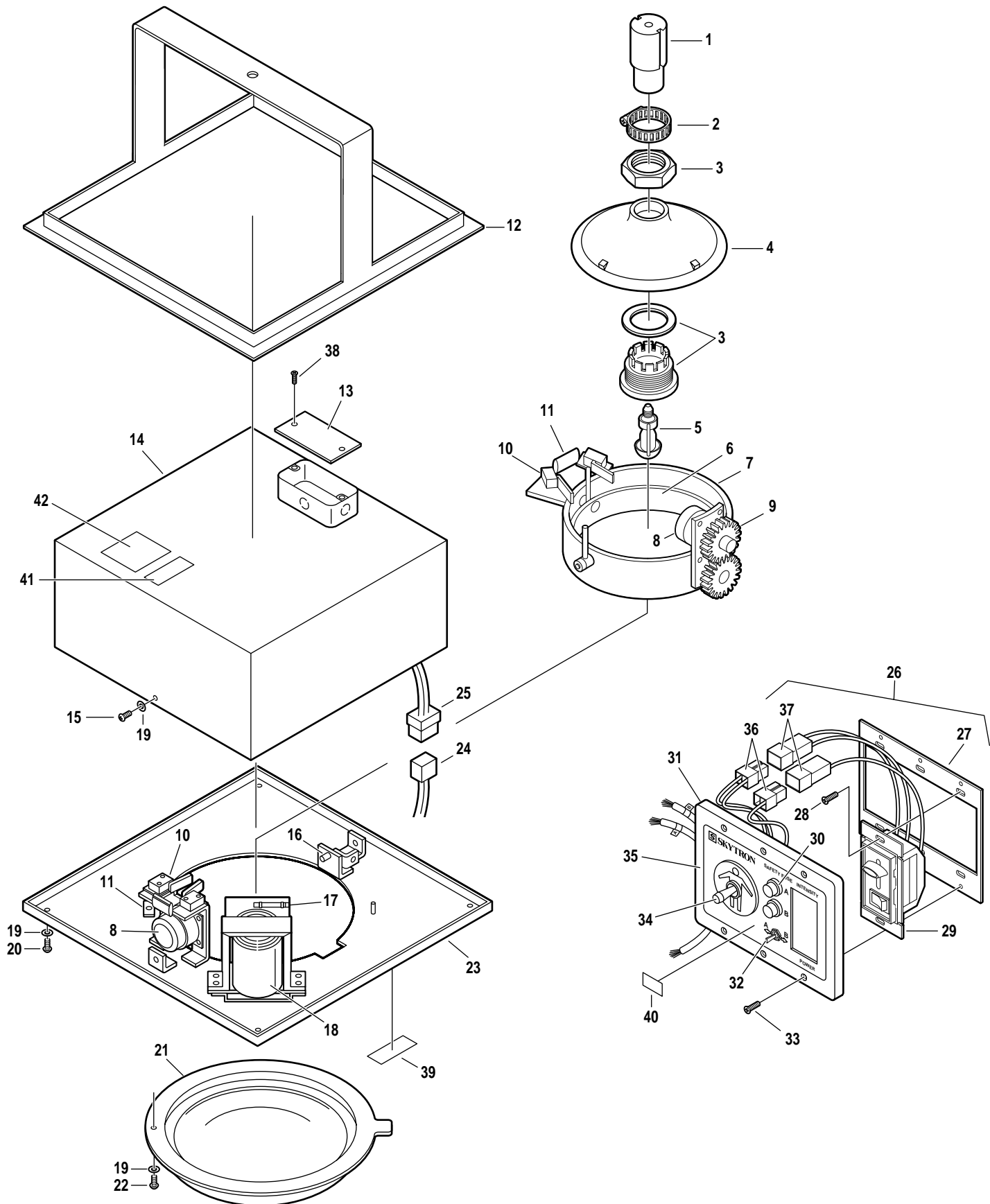
SERVICE

A regular program of preventive maintenance will increase the life of your equipment and keep it operating at peak performance.

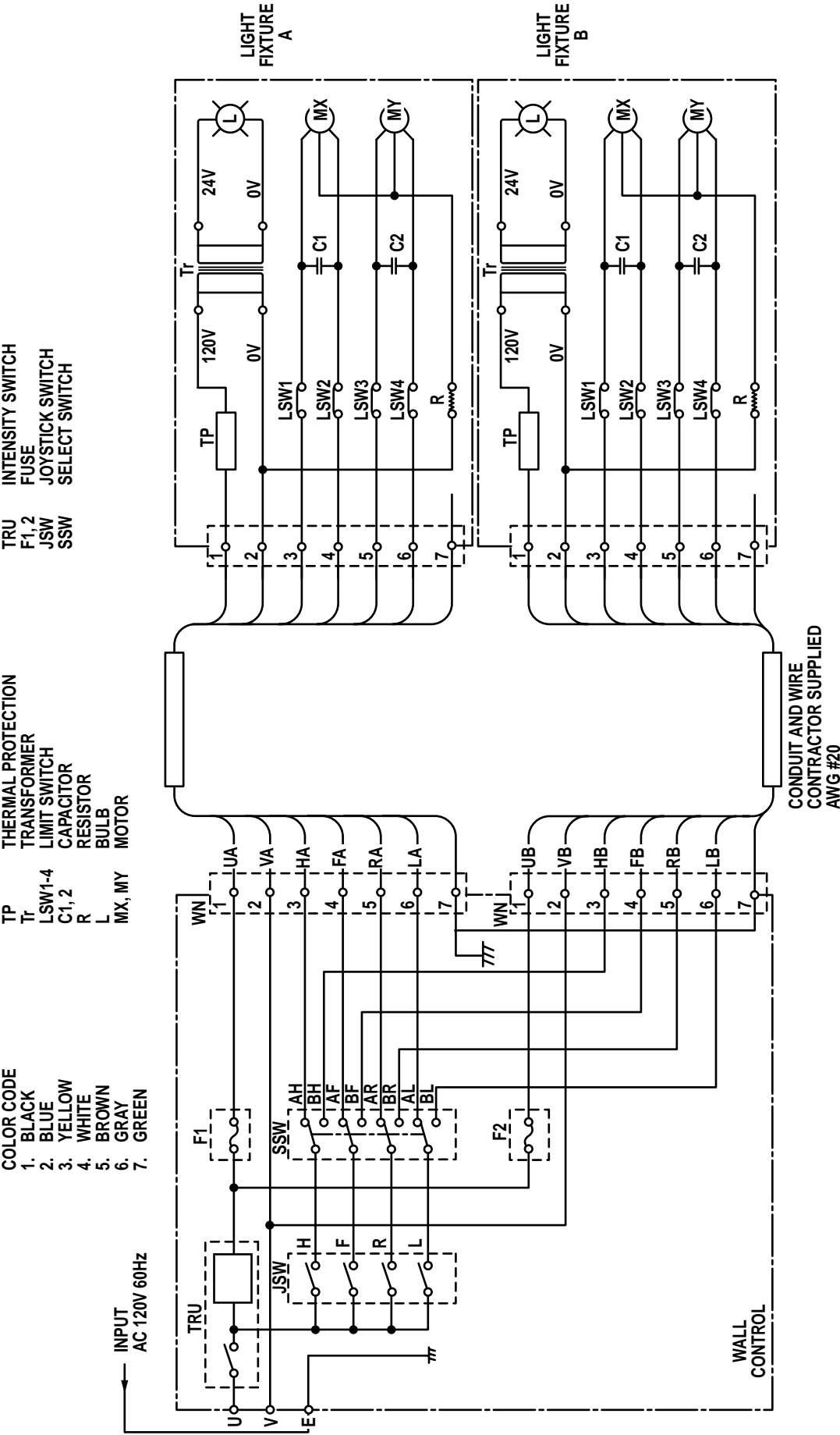
For factory authorized service or preventive maintenance contracts on your SKYTRON surgical lighting fixture, contact your nearest SKYTRON representative or write:

SKYTRON
5000 36th Street S.E.
Grand Rapids, MI 49512

Phone:
1-800-SKYTRON
616-957-0500



Item	Part No.	Description	Qty.
1	A1-420-26	SOCKET, KR bulb	1
2	A1-010-27	CLAMP, holding	1
3	A1-010-33	SLEEVE, KR bulb socket	1
4	A1-420-23	REFLECTOR, KR bulb	1
5	A1-430-03	BULB, 24V, 100W	1
6	A1-420-27	HOLDER, bulb	1
7	A1-420-12	RING, gimbal	1
8	A1-410-13	MOTOR ASSEMBLY	2
9	A1-410-14	GEAR ASSEMBLY	1
10	A1-410-28	SWITCH, limit	4
11	A1-410-16	CAPACITOR	2
12	A1-420-25	BRACKET, mounting	1
13	A1-410-17	JUNCTION BOX	1
	A1-410-17-1	COVER, junction box	1
14	A1-420-24	ENCLOSURE	1
15	A1-410-27	SCREW, phillips	2
16	A1-410-18	PIVOT ASSEMBLY	1
17	A1-410-20	RESISTOR	1
18	A1-430-04	TRANSFORMER	1
19	A1-410-23	WASHER	4
20	A1-010-41	SCREW, phillips	4
21	A1-430-12	DIFFUSER	1
22	A1-410-26	SCREW, diffuser mounting	1
23	A1-430-05	FRONT FACE	1
NS	A1-420-35	THERMAL PROTECTOR	1
24	A1-430-10	CONNECTOR, 6 pin, male	1
25	A1-430-11	CONNECTOR, 6 pin, female	1
26	A1-430-01	WALL CONTROL ASSEMBLY, joystick	1
27	A1-420-07	•BRACKET, mounting	1
28	A1-410-09	•SCREW, mounting	6
29	A1-410-02	•DIMMER CONTROL	1
30	A1-010-01	•FUSE HOLDER	1
	A9-010-22	•FUSE, 1.25 amp	2
31	A1-430-02	•FACE PLATE, wall control	1
32	A1-420-34	•SWITCH, A-B selector	1
33	A1-410-08	•SCREW, faceplate	6
34	A1-420-33	•SWITCH, joystick	1
	A1-420-36	•SWITCH, micro	4
35	A1-420-31	•PLATE, positioning	1
36	A1-430-08	CONNECTOR, 2 pin, male	1
37	A1-430-09	CONNECTOR, 2 pin, female	1
38	A1-430-13	SCREW	2
39	A1-430-14	LABEL, WARNING, bulb type	1
40	A1-430-15	LABEL, WARNING, fuse type	1
41	A1-430-16	LABEL, WARNING, insulation	1
42	A1-430-17	LABEL, ACCESS	1



EX100CL WIRING DIAGRAM



5000 36th Street S.E., Grand Rapids, MI 49512
1-800-SKYTRON or 1-616-957-0500 • FAX 1-616-957-5053

